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## 3.0 510(k) Summary

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**Sponsor:** Synthes (USA)  
Karl J. Nittinger  
1301 Goshen Parkway  
West Chester, PA 19380  
(610) 719-6941

**Device Name:** Synthes (USA) 5.0mm / 7.3mm Crimp Positioning Pins

**Classification:** Class II, §888.3010 – Bone fixation cerclage.

**Predicate Device:** Synthes Cerclage Positioning Pin  
Pioneer Surgical Technology Hex Button

**Device Description:** The proposed 5.0mm and 7.3mm Crimp Positioning Pins are designed to fit into the screw holes of existing Synthes fixation plates for the purpose of providing a guide for Cerclage cable positioning as well as a crimping point for Cerclage cable tension fixation.  
  
The Crimp Positioning pins are available in versions composed of implant quality stainless steel and titanium.

**Intended Use:** The Synthes 5.0mm and 7.3mm Crimp Positioning Pins are intended for use with multifilament cable to augment fracture stabilization with plates used in long bone fixation when the use of screws is contraindicated, as in the presence of intramedullary implants.  
  
The 5.0mm Crimp Positioning Pins are designed for use in the 5.0mm locking or 4.5mm LCP holes of Synthes plates. The 7.3mm Crimp Positioning Pins are designed for use in the 7.3mm locking holes of Synthes plates.

**Substantial Equivalence:** Information presented supports substantial equivalence.



## DEPARTMENT OF HEALTH &amp; HUMAN SERVICES

Public Health Service

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

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Synthes (USA)  
% Mr. Karl J. Nittinger  
1301 Goshen Parkway  
West Chester, PA 19380

Re: K081205

Trade/Device Name: Synthes (USA) 5.0mm/7.3mm Crimp Positioning Pins  
Regulation Number: 21 CFR 888.3010  
Regulation Name: Bone fixation cerclage  
Regulatory Class: Class II  
Product Code: JDQ  
Dated: April 28, 2008  
Received: April 29, 2008

Dear Mr. Nittinger:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

Page 2 – Mr. Karl J. Nittinger

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Center for Devices and Radiological Health's (CDRH's) Office of Compliance at (240) 276-0120. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). For questions regarding postmarket surveillance, please contact CDRH's Office of Surveillance and Biometric's (OSB's) Division of Postmarket Surveillance at (240) 276-3474. For questions regarding the reporting of device adverse events (Medical Device Reporting (MDR)), please contact the Division of Surveillance Systems at (240) 276-3464. You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at toll-free number (800) 638-2041 or (240) 276-3150 or the Internet address <http://www.fda.gov/cdrh/industry/support/index.html>.

Sincerely yours,



Mark N. Melkerson  
Director  
Division of General, Restorative  
and Neurological Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

2.0

**Indications for Use**

510(k) Number (if known): K081205 (pg 1/1)

Device Name: Synthes (USA) 5.0mm / 7.3mm Crimp Positioning Pins

Indications for Use:

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The 5.0mm Crimp Positioning Pins are designed for use in the 5.0mm locking or 4.5mm LCP holes of Synthes plates. The 7.3mm Crimp Positioning Pins are designed for use in the 7.3mm locking holes of Synthes plates.

Prescription Use X  
(Per 21 CFR 801.109)

AND/OR

Over-The-Counter Use \_\_\_\_\_  
(21 CFR 807 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE - CONTINUE ON ANOTHER PAGE IF  
NEEDED)

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Concurrence of CDRH, Office of Device Evaluation (ODE)

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**(Division Sign-Off)  
Division of General, Restorative,  
and Neurological Devices**

510(k) Number K081205